

Title (en)

METHOD FOR INK PRESSURE MODULATION IN A PRINTER FOR AXIALLY SYMMETRIC OBJECTS

Title (de)

VERFAHREN ZUR TINTENDRUCKMODULATION IN EINEM DRUCKER FÜR AXIALSYMMETRISCHE GEGENSTÄNDE

Title (fr)

PROCÉDÉ DE MODULATION DE LA PRESSION D'ENCRE DANS UNE IMPRIMANTE POUR DES OBJETS À SYMÉTRIE AXIALE

Publication

**EP 3953184 A4 20230405 (EN)**

Application

**EP 19924539 A 20190730**

Priority

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Abstract (en)

[origin: US10710378B1] A printing system applies images on the exterior of an axially symmetrical object that has a varying exterior surface, such as occurs on curved wine bottles and sports equipment like bats. The printing system includes a movable carriage having rotatable locking end members for holding the object for printing stationary along its longitudinal axis, but allowing for controlled rotation of the object. The carriage moves the object from a loading area into a printing area and a plurality of movable printing head assemblies position a plurality of ink jet heads over the surface of the object as it is moved along a linear axis under the print head assemblies. Each print head is movable such that as the object moves underneath the print head tilts to match the local slope of the contoured surface as ink is being applied. The applied image is then cured with UV lamps during rotation.

IPC 8 full level

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CPC (source: EP US)

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Citation (search report)

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- See also references of WO 2020209887A1

Designated contracting state (EPC)

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DOCDB simple family (application)

**US 201916526604 A 20190730**; EP 19924322 A 20191112; EP 19924539 A 20190730; EP 19924601 A 20190730; EP 20787529 A 20200220; US 2019044174 W 20190730; US 2019044204 W 20190730; US 2019060948 W 20191112; US 201916526670 A 20190730; US 201916526731 A 20190730; US 2020019100 W 20200220